

Which cleaning agent do we choose?

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Institute: Learning Lund

Country: Sweden

Subject: Science

Grade level: 8-9

Objectives/competencies: Students are expected to be able to:

- Seek and select appropriate information related to the study of cleaning agents, from books, computers networks and web pages.
- Explain the advantages and disadvantages of different types of cleaning agents.
- Explain pH, surface tension and conditions of bacterial growth and connect it to the action of the cleaning agents.
- Put forward a plan of how the pH, impact on surface tension and on bacterial growth of a cleaning agent can be determined.
- To cooperate with partners in the group in undertaking an experimental investigation.
- To design and carry out experimental determinations in situ and in the laboratory.
- Decide, with reasons, which field Mr. Clean should buy.

Curriculum content: Characteristics of Cleaning agent

Kind of activity: Library search, field visit, laboratory investigation, group discussion to make a justified socio-scientific decision

Anticipated time: 4 lessons plus 1 field visit

Abstract:

Cleaning agent is an excellent topic through which to introduce students to fertility problems. It is possible to use simple techniques of analysis, which require careful and detailed work.. Through this approach some difficult concepts in science such as density, physio-adsorption and chemi-adsorption, can be introduced.

Attached files

1.	Student activities	Describes the scenario in more detail and the tasks the students should perform
2.	Teaching guide	Suggests a teaching approach
3.	Assessment	Gives suggested formative assessment strategies
4.	Teacher's notes	States the chemical, physical and biological concepts.